

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A ~~metallie~~ catalytic ~~particle~~ product, comprising:

Co and Mo in a ratio of one part Co to at least two or more parts of Mo; and
a support material, and wherein the Co, Mo and support material are combined ~~to have a particulate form~~ as a catalytic particle; and
a single-walled carbon nanotube deposited on the ~~metallie~~ catalytic particle.

2. (Currently Amended) The ~~metallie~~ catalytic ~~particle~~ product of claim 1 further comprising an additional Group VIII metal.

3. (Currently Amended) The ~~metallie~~ catalytic ~~particle~~ product of claim 1 further comprising an additional Group VIb metal.

4. (Currently Amended) The ~~metallie~~ catalytic ~~particle~~ product of claim 1 wherein the support material ~~is selected from the group consisting of~~

comprises at least one of an oxidic support, silica, a molecular sieve, MCM-41, alumina, MgO, ZrO₂, aluminum-stabilized magnesium oxide, and a molecular sieve zeolites zeolite.

5. (Currently Amended) The ~~metallic catalytic particle product~~ of claim 1 comprising from about 1% to about 20% by weight of Co and Mo.

6. (Currently Amended) A ~~metallic catalytic particle product~~, comprising:

at least one of Ru, Rh, Pd, Ir, Pt, at least one Group VIb metal, and a support material, combined ~~to have a particulate form as~~ a catalytic particle wherein the support material comprises at least one of an oxidic support, silica, a molecular sieve, MCM-41, alumina, MgO, ZrO₂, aluminum-stabilized magnesium oxide, or a molecular sieve zeolite; and a single-walled carbon nanotube deposited on the ~~metallic catalytic particle.~~

7. (Currently Amended) The ~~metallic catalytic particle product~~ of claim 6 wherein the at least one Group VIb metal is selected from the group consisting of Cr, Mo and W.

8. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 6 comprising Ru.

9. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 6 comprising Rh.

10. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 6 comprising Pd.

11. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 6 comprising Ir.

12. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 6 comprising Pt.

13. (Cancel)

14. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 6 comprising from about 1% to about 20% by weight of the at least one Ru, Rh, Pd, Ir and Pt and the at least one Group VIb metal.

15. (Currently Amended) A ~~metallic~~ catalytic ~~particle~~ product, comprising:

at least one Group VIII metal, excluding Fe, at least one of Cr, Mo and W, and a support material wherein the support material comprises at least one of an oxidic support, silica, a molecular sieve, MCM-41, alumina, MgO, ZrO₂, aluminum-stabilized magnesium oxide, or a molecular sieve zeolite, and wherein the Group VIII metal, the at least one of Cr, Mo and W, and the support material are combined ~~to have a particulate form~~ as a catalytic particle, excluding a ~~metallic~~ catalytic particle consisting of the support material and Co and W or the support material and Co and Mo; and a single-walled carbon nanotube deposited on the ~~metallic~~ catalytic particle.

16. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 15 wherein the at least one Group VIII metal is selected from the group consisting of Co, Ni, Ru, Rh, Pd, Ir and Pt.

17. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 15 comprising Cr.

18. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 15 comprising W.

19. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 15 comprising Mo.

20. (Cancel)

21. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 15 comprising from about 1% to about 20% by weight of the at least one Group VIII metal and the at least one of Cr, Mo and W.

22. (Currently Amended) A ~~metallic~~ catalytic ~~particle~~ product, comprising:

Co and Mo in a ratio of one part Co to at least two or more parts of Mo, and a silica support material, wherein the Co, Mo and silica support material are combined ~~to have a particulate form~~ as a catalytic particle; and
a single-walled carbon nanotube deposited on the ~~metallic~~ catalytic particle.

23. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 22 further comprising an additional Group VIII metal.

24. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 22 further comprising an additional Group VIb metal.

25. (Currently Amended) The ~~metallic~~ catalytic ~~particle~~ product of claim 22 comprising from about 1% to about 20% by weight of Co and Mo.

26. (New) A catalytic product, comprising:

a catalytic particle comprising Co and Mo disposed on an oxidic support, silica, alumina, a molecular sieve, MCM-41, MgO, ZrO₂, aluminum-stabilized magnesium oxide, or a molecular sieve zeolite support material; and
a single-walled carbon nanotube disposed on the catalytic particle.

27. (New) The catalytic product of claim 26 further comprising an additional Group VIII metal.

28. (New) The catalytic product of claim 26 further comprising an additional Group VIb metal.

29. (New) The catalytic product of claim 26 comprising from about 1% to about 20% by weight of Co and Mo.